

In the Claims

1. A truck bed liner of the type generally having a front wall, two side walls, a bottom, and a back wall, the improvement comprising:
an integrated divider panel that forms a vertical wall when in a raised position;
divider panel securing means for positioning and securing the divider panel to an adjacent wall;
an integrated enclosure panel that forms a horizontal cover member when in a raised position; and
enclosure panel securing means for positioning and securing the enclosure panel to an adjacent wall.
whereby, the divider panel and enclosure panel are positioned adjacent to one another and secured into place forming an enclosed compartment.
2. The improved truck bed liner of Claim 1 wherein the divider panel is located in the bottom of the truck bed liner.
3. The improved truck bed liner of Claim 1 wherein the enclosure panel is located in the back wall of the truck bed liner.
4. The improved truck bed liner of Claim 1 wherein the enclosure panel is located in the front wall of the truck bed liner.
5. The improved truck bed liner of Claim 1 wherein the enclosure panel is located in the side wall of the truck bed liner.
6. The improved truck bed liner of Claim 1 wherein the divider panel and the enclosure panel each have three free edges and a fourth edge comprising a hinge means.
7. The improved liner of Claim 6 wherein the hinge means is a living hinge.
8. The improved liner of Claim 1 wherein the divider panel securing means further comprises at least two protrusions extending outwardly from each side wall of the liner at a predetermined point in the side walls such that they maintain the divider panel in a 90° angle with respect to the bottom when the divider panel is in a raised position, the protrusions being spaced apart from one another along the horizontal axis a sufficient distance such that the divider panel can be positioned between them.
9. The improved liner of Claim 1 wherein the enclosure panel securing means further comprises at least two horizontal ribs extending outwardly from each of the two side walls of the liner at a predetermined point in the side wall, the horizontal ribs being spaced apart from one another a sufficient distance to form a closure channel to receive and secure the enclosure panel between the horizontal ribs.

10. The improved liner of Claim 1 further comprising a base panel, the base panel having a first side and a second side, the enclosure panel being releasably affixed to the first side of the base panel when the enclosure panel is not within the enclosure securing means.

11. The improved liner of Claim 1 wherein the enclosure panel is releasably affixed to the first side of the base panel by a hook and loop type of fastener.

12. An enclosed storage compartment for a vehicle liner of the type generally having a front wall, two side walls, a bottom, and a back wall which is an integral part of the liner or, alternatively, a separate piece affixed to a tailgate, comprising:

an integrated divider panel;

at least two protrusions adjacent to one another and extending outwardly from each side wall of the liner at a predetermined point in the side walls, whereby, the protrusions maintain the integrated divider panel in a 90° angle with respect to the horizontal axis when the divider panel is in the raised position;

an integrated enclosure panel; and

at least two horizontal ribs extending outwardly from each side wall of the liner at a predetermined point in the side wall, the horizontal ribs being spaced apart from one another a sufficient distance to form a closure channel to receive and secure the enclosure panel between the horizontal ribs, whereby, the integrated enclosure panel and the integrated divider panel combine to form a storage compartment.

13. The improved liner of Claim 12 further comprising a base panel, the base panel having a first side and a second side, the enclosure panel being releasably affixed to the first side of the base panel when the enclosure panel is not used to form the trunk storage compartment.

14. A truck bed liner of the type generally having a front wall, two side walls, a bottom, and a back wall which is an integral part of the liner, the improvement comprising:

an integrated divider panel and further comprising at least two living hinges located at predetermined locations on the divider panel, the living hinges enabling the divider panel to be raised into a vertical position at one of the at least two living hinges and horizontal position at the second of the at least two living hinges; and

panel securing means, whereby, the divider panel can be positioned and secured to form a trunk storage compartment with the bottom and an adjacent side wall.

15. A storage compartment for vehicle liners of the type generally having a front wall, two side walls, a bottom, and a back wall, comprising:

an integrated enclosure panel, the enclosure panel formed into one of the side walls;

an integrated divider panel, the divider panel formed into the bottom; and
panel securing means, whereby, the enclosure panel can be rotated from a vertical position to a horizontal position and the divider panel can be rotated from a horizontal position to a vertical position adjacent to the enclosure panel and, thereby, secured along with the enclosure panel to form a storage compartment.

16. The improved liner of Claim 16 wherein the enclosure panel and the divider panel are each rotated to its respective positions along a hinge means.

17. The improved liner of Claim 17 wherein the hinge means is a living hinge.

18. A truck bed of the type generally having a front wall, two side walls, a bottom, and a back wall, the improvement comprising:

an integrated divider panel that forms a vertical wall when in a raised position;
divider panel securing means for positioning and securing the divider panel to an adjacent wall;

an integrated enclosure panel that forms a horizontal cover member when in a raised position; and

enclosure panel securing means for positioning and securing the enclosure panel to an adjacent wall.

whereby, the divider panel and enclosure panel are positioned adjacent to one another and secured into place forming an enclosed compartment.

19. An enclosed storage compartment for a vehicle of the type generally having a front wall, two side walls, a bottom, and a back wall which is an integral part of the liner or, alternatively, a separate piece affixed to a tailgate, comprising:

an integrated divider panel;

at least two protrusions adjacent to one another and extending outwardly from each side wall of the liner at a predetermined point in the side walls, whereby, the protrusions maintain the integrated divider panel in a 90° angle with respect to the horizontal axis when the divider panel is in the raised position;

an integrated enclosure panel; and

at least two horizontal ribs extending outwardly from each side wall of the liner at a predetermined point in the side wall, the horizontal ribs being spaced apart from one another a sufficient distance to form a closure channel to receive and secure the enclosure panel between the horizontal ribs, whereby, the integrated enclosure panel and the integrated divider panel combine to form a storage compartment.

20. A truck bed of the type generally having a front wall, two side walls, a bottom, and a back wall which is an integral part of the liner, the improvement comprising:

an integrated divider panel and further comprising at least two living hinges located at predetermined locations on the divider panel, the living hinges enabling the divider panel to be raised into a vertical position at one of the at least two living hinges and horizontal position at the second of the at least two living hinges; and

panel securing means, whereby, the divider panel can be positioned and secured to form a trunk storage compartment with the bottom and an adjacent side wall.

21. A storage compartment for vehicles of the type generally having a front wall, two side walls, a bottom, and a back wall, comprising:

an integrated enclosure panel, the enclosure panel formed into one of the side walls;

an integrated divider panel, the divider panel formed into the bottom; and

panel securing means, whereby, the enclosure panel can be rotated from a vertical position to a horizontal position and the divider panel can be rotated from a horizontal position to a vertical position adjacent to the enclosure panel and, thereby, secured along with the enclosure panel to form a storage compartment.